

Amendments to the Claims

1. *(Currently Amended)* Circuit arrangement ~~(2)~~ for driving a display arrangement ~~(1)~~,
the circuit arrangement ~~(2)~~ includes column driving means ~~(5)~~ for driving n column electrodes
5 ~~(C)~~ and row driving means ~~(4)~~ for driving m row electrodes ~~(R)~~ of the display arrangement ~~(1)~~,
wherein the column driving means ~~(5)~~ comprises n output channels ~~(O)~~, each output channel
~~(O)~~ having a column electrode ~~(C)~~ assigned and is arranged for providing a respective column
voltage to the assigned column electrode ~~(C)~~, an additional output channel ~~(O_R)~~ is arranged for
providing respective column voltages, whereas each of the n column electrodes ~~(C)~~ is
10 connectable to the additional output channel ~~(O_R)~~.
2. *(Currently Amended)* Circuit arrangement as claimed in claim 1, wherein the n output
channels ~~(O)~~ having switching means ~~(S)~~, each of the n switching means ~~(S)~~ is provided
between an output channel ~~(O)~~ and its associated column electrode ~~(C)~~ for connecting the
15 column electrode ~~(C)~~ with the additional output channel ~~(O_R)~~.
3. *(Currently Amended)* Circuit arrangement as claimed in claim 2, wherein the switching
means ~~(S)~~ are provided for disconnecting the output channel ~~(O)~~ from its column electrode ~~(C)~~,
if the column electrode ~~(C)~~ is connected to the additional output channel ~~(O_R)~~.
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4. *(Currently Amended)* Circuit arrangement as claimed in claim 1, wherein at the beginning of
driving a first row electrode ~~(R₁)~~ of a frame the additional output channel ~~(O_R)~~ is calibrated,
whereas during driving the following row electrodes ~~(R₂—R_m)~~ the additional output ~~(O_R)~~
channel is successively connected via the respective switching means ~~(S)~~ to the column
25 electrodes ~~(C)~~, whereas the associated output channel ~~(O)~~ of the column electrode ~~(C)~~ currently
connected to the additional output channel ~~(O_R)~~ is disconnected from the respective column
electrode ~~(C)~~ for calibrating.
5. *(Currently Amended)* Circuit arrangement as claimed in claim 1, wherein the column driving
30 means ~~(5)~~ comprises more than one additional output channel ~~(O_{Rn})~~ which are connectable to
the column electrodes ~~(C)~~.

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6. (*Currently Amended*) Circuit arrangement as claimed in claim 1, wherein calibration means ~~(10)~~ are arranged for offset cancellation of the output channels ~~(Θ)~~ connected to the calibration means ~~(10)~~.

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7. (*Currently Amended*) Display device comprising a display arrangement ~~(1)~~ and a display driver circuit arrangement ~~(2)~~, the display driver circuit arrangement ~~(2)~~ comprises column driving means ~~(5)~~ for driving the n column electrodes ~~(C)~~ with column voltages and row driving means ~~(4)~~ for driving the m row electrodes ~~(R)~~ with row selection voltages, wherein the column driving means ~~(5)~~ comprises n output channels ~~(Θ)~~, each output channel ~~(Θ)~~ having a column electrode ~~(C)~~ assigned and is arranged for providing a respective column voltage to the assigned column electrode, an additional output channel ~~(Θ_R)~~ is arranged for providing a column voltage, whereas each of the n column electrodes ~~(C)~~ is connectable to the additional output channel ~~(Θ_R)~~.

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8. (*Currently Amended*) Display device as claimed in claim 7, wherein the display arrangement ~~(1)~~ comprises a liquid crystal material between a first substrate provided with row electrodes ~~(R)~~ and a second substrate provided with column electrodes ~~(C)~~, in which overlapping parts of the row and column electrodes define pixels ~~(8)~~.

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9. (*Currently Amended*) Method for driving a display arrangement ~~(1)~~, whereas the display arrangement ~~(1)~~ comprises n column electrodes ~~(C)~~ and m row electrodes ~~(R)~~, the n column electrodes ~~(C)~~ are driven by column driving means ~~(5)~~ and the row electrodes ~~(R)~~ are driven by row driving means ~~(4)~~, wherein the column driving means ~~(5)~~ comprises n output channels ~~(Θ)~~ each providing a respective column voltage to its associated column electrode ~~(C)~~, wherein an additional output channel ~~(Θ)~~ is arranged which is calibrated at the beginning of a driving procedure of a frame, wherein after the additional output channel ~~(Θ_R)~~ is calibrated, one of the n output channels ~~(Θ)~~ is disconnected from its associated column electrode ~~(C)~~, wherein this column electrode ~~(C)~~ is connected to the calibrated additional output channel ~~(Θ_R)~~, the calibrated additional output channel ~~(Θ_R)~~ supplies the respective column voltage to the column electrode ~~(C)~~, whereas the disconnected output channel ~~(Θ)~~ is calibrated.

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